

Deep Vadose Zone Technical Forum

July 20-21, 2010

Richland Red Lion (Hanford House) – 802 George Washington Way

Purpose: Develop and organize a set of technical needs and corresponding opportunities to be addressed for the deep vadose zone in the Central Plateau of the Hanford Site. These will be organized into three categories: (1) Characterization and Monitoring, (2) Subsurface Processes and Predictive Modeling, and (3) Subsurface Access and Remediation.

Tuesday, July 20

7:30 – 8:00 AM	Registration	
8:00 – 8:30 AM	Welcome and Introductions, Forum Goals, and Approach	Todd Martin and David Brockman (DOE Richland)
8:30 – 8:45 AM	Expectations for Panel Discussions and Breakout Sessions	Roy Gephart (PNNL) and Todd Martin
8:45 – 9:45 AM (Panel Discussion and Audience Questions)	Deep Vadose Zone: Program Approach, Linkages, and Expectations	DOE EM-32 DOE Richland Ecology EPA
9:45 – 11:00 AM (Panel Discussion and Audience Questions)	Vadose Zone Concepts: Processes and Predictive Modeling; What Controls Fluid and Contaminant Movement	Panelists
11:00 AM – 12:00 PM (Panel Discussion and Audience Questions)	Vadose Zone Concepts: Characterization and Monitoring: Current Capabilities and Challenges	Panelists
12:00 – 1:30 PM <i>Lunch (on your own)</i>		
1:30 PM - 2:30 PM (Panel Discussion and Audience Questions)	Vadose Zone Concepts: Remediation Technologies and Approaches; Current Capabilities and Challenges	Panelists
2:30 – 4:00 PM	Breakout Sessions: Introduction, Topic Approach, and Initial Discussions <ol style="list-style-type: none">1. Characterization and Monitoring2. Subsurface Processes and Predictive Modeling3. Subsurface Access and Remediation	Session Chairs/Co-chairs
4:00 – 5:00 PM	Feedback on Meeting Progress and Discussion	Todd Martin, Session Chairs/co-chairs, and Organizers



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8:00 – 8:30 AM	Recap of Day 1 and Overview for Day 2	Todd Martin
8:30 – 9:00 AM	DOE Subsurface Biogeochemical Research Program: Complex Systems Science	David Lesmes (DOE SC)
9:00 AM – 12:00 PM	Breakout Sessions <ol style="list-style-type: none">1. Characterization and Monitoring2. Subsurface Processes and Predictive Modeling3. Subsurface Access and Remediation	Session Chairs/Co-chairs
<i>12:00 – 1:30 PM</i>	<i>Lunch (on your own)</i>	
1:30 – 3:30 PM	Breakout Session Reports/Audience Feedback	Todd Martin and Session Chairs
3:30 – 4:30 PM	“Vadose Zone Bucks” Exercise and General Discussion	Brian Looney (SRNL) and Todd Martin
4:30 – 5:00 PM	Closing Remarks and Path Forward	Todd Martin Kurt Gerdes (DOE EM-32) Matt McCormick (DOE Richland)



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